

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

PLEASE AMEND THE CLAIMS AS FOLLOW:

1. (Currently Amended) A portable digital video player system, the system comprising:
  - a storage medium~~subsystem~~ for storing compressed video information in a proprietary format;
  - a media decoder for transforming the compressed video information in a proprietary format into non-proprietary format compressed video information, and ~~wherein the media decoder decompressingdecompresses~~ the non-proprietary compressed video information into decompressed audio and video portions;
  - a user input device for instructing the media decoder to retrieve from the storage medium and decompress a selected item of compressed video information into the respective decompressed audio and video portions;
  - a video display for displaying the decompressed video portion received from the media decoder; and
  - at least one of a speaker and a headphone jack for reproducing the decompressed audio portion received from the media decoder;
  - wherein the media decoder transforms the compressed video information from a proprietary format to a non-proprietary compressed format and stores the non-proprietary compressed format on the storage subsystem.
2. (Currently Amended) The system as in Claim 1, wherein the user input device and display are ~~integrated into~~ provided by a touch-screen display.
3. (Currently Amended) ~~The system as in Claim 1,~~ A portable digital video player system, the system comprising:
  - a storage medium for storing compressed video information in a proprietary format;
  - a media decoder for transforming the compressed video information in a proprietary format into non-proprietary format compressed video information, and

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

decompressing the non-proprietary compressed video information into decompressed audio and video portions;

a user input device for instructing the media decoder to retrieve from the storage medium and decompress a selected item of compressed video information into the respective decompressed audio and video portions;

a video display for displaying the decompressed video portion received from the media decoder; and

at least one of a speaker and a headphone jack for reproducing the decompressed audio portion received from the media decoder;

wherein the media decoder transforms the compressed video information from a proprietary format comprising a header portion and a video content portion, to a non-proprietary compressed video format,

wherein the video content portion is copied to a separate memory location, and  
wherein the header portion is not copied to the separate memory location.

4. (Currently Amended) A portable digital video player system, the system comprising:  
a storage subsystem for storing compressed video information in a proprietary format;

a media decoder for transforming the compressed video information in a proprietary format into non-proprietary format compressed video information, and  
wherein the media decoder decompresses the non-proprietary compressed video information into decompressed audio and video portions;

a user input device for instructing the media decoder to retrieve from the storage medium and decompress a selected item of compressed video information into the respective decompressed audio and video portions;

a video display for displaying the decompressed video portion received from the media decoder; and

at least one of a speaker and a headphone jack for reproducing the decompressed audio portion received from the media decoder; The system as in Claim 1;

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

wherein the media decoder transforms the compressed video information from the proprietary format to a non-proprietary compressed format by decrypting the compressed video information, and stores said non-proprietary compressed video information.

5. (Cancelled)

6. (Currently Amended) The system as in Claim 1, wherein the media decoder receives and stores the compressed video information in the proprietary format on the storage ~~medium~~ subsystem, and

wherein the media decoder transforms and decompresses the compressed video information ~~in from~~ the proprietary format ~~from the storage medium~~ to provide the decompressed audio and video portions.

7. ~~(Currently Amended)~~ Previously Presented The system as in Claim 1, wherein the storage ~~medium~~ subsystem has the capacity to store at least 20 Gigabytes of the compressed video information.

8. (Currently Amended) The system as in Claim 1, wherein the compressed video information is in at least one non-proprietary format selected from the group consisting of MPEG-1, MEG-2, MPEG-4, MPEG-7 and AVI.

9. (Currently Amended) The system as in Claim 1, further comprising: a unitary case for containing the storage ~~medium~~ subsystem, the media decoder, the user input device and the display.

10. (Currently Amended) The system as in Claim 1, further comprising: a case having a first panel and a second panel;

wherein the first panel contains the video display,

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

wherein the second panel contains the media decoder and the storage  
~~medium subsystem~~, and  
wherein the first panel is coupled to the second panel.

11. (Currently Amended) A self-contained portable media player system, the system comprising:

a port for receiving ~~encrypted and~~ compressed digital audio-visual data files, each of said files comprising a proprietary header and video content;

a media processor coupled to the port for receiving the compressed digital audio-visual data files,

wherein the media processor selectively removes the respective proprietary header from each file and provides for copying the respective video content of the file to an alternate memory location, but does not copy the proprietary header to the alternate memory location.

wherein the media processor produces at least one standard format compressed digital audio-visual file;

a read/write non-volatile memory unit, coupled to the media processor, for storing said at least one ~~compressed~~ standard format compressed digital audio-visual files;

a video display for providing a visual presentation coupled to the media processor;

at least one audio output device coupled to the media processor; and  
a user interface coupled to the media processor,

wherein the media processor selectively retrieves and decompresses said at least one selected compressed digital audio-visual file responsive to the user interface to create decompressed audio and video data streams, and

wherein the decompressed audio and video data streams are respectively ~~transmitted~~ coupled to the audio output device and the video display.

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

12. (~~Currently Amended~~Previously Presented) The system as in Claim 11, further comprising: a case for containing the media processor, the non-volatile memory unit, the video display and the user interface.

13. (~~Currently Amended~~Previously Presented) The system as in Claim 11, further comprising: a case having first panel and a second panel;  
wherein the first panel of the case contains the video display,  
wherein the second panel contains the media processor and the non-volatile memory unit, and  
wherein the first panel is coupled to the second panel.

14. (Currently Amended) A system for ~~"time-shifting" and "place-shifting"~~ the playback of a video data file, the system comprising:

a personal video recorder for encrypting and compressing a selected video data file for the protected video content to provide a protected data file, and storing "time-shifted" video-the protected data file;

wherein a port on the personal video recorder provides for transmitting at least the protected one-selected data file of the "time-shifted" video data file in a proprietary compressed format;

a self-contained portable player for playing back ~~said at least one~~ the protected selected data file, the player further comprising:

a port for receiving said ~~at least one selected~~ protected data file in the proprietary compressed format;

a media processor coupled to the port, providing means for selectively for transforming the received protected data file from ~~at the~~ proprietary compressed format to provide a non-proprietary compressed format output data file;

a read/write non-volatile memory ~~unit~~ subsystem coupled to the media processor for storing the non-proprietary format compressed output data file ~~in one of the~~ proprietary format and the non-proprietary format;

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

a video display coupled to the media processor;  
at least one audio output device coupled to the media processor; and  
a user interface coupled to the media processor,  
wherein the media processor retrieves a respective one of the output data files stored compressed data file in the memory subsystem, responsive to a command from the user interface and decompresses responsive thereto provides for decompressing the non-proprietary format compressed output data file, to provide decompressed video and audio data, respectively coupled to the video display and the audio output device.

15. (Currently Amended) A method for "time-shifting" and "place-shifting" providing to a protected file comprised of a proprietary format compressed digital audio-visual data file received from a video recorder, the data file having a proprietary header and an associated compressed audiovisual data file, the method comprising:

decoding the proprietary header to enable decompression and use of the audiovisual data file;

copying/selecting only portions of the data/protected file other than the proprietary header to yield/provide a non-proprietary compressed audio-visual data file;

storing the non-proprietary compressed audio-visual data file in a read/write non-volatile memory unit;

receiving a user instruction via a user input device;

decompressing the compressed audio-visual data file to obtain decompressed video and audio data streams responsive to the user instruction;

displaying the video data stream on a video display responsive to the received user instruction; and

outputting at least one audio data stream to an audio output.

16. (Currently Amended) A method for secure distribution "place-shifting" of compressed audio-visual information recorded in a proprietary format, the method comprising:

receiving the compressed audio-visual information in the proprietary format;

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

~~transforming/decoding~~ the compressed audio-visual information from the proprietary format into non-proprietary compressed audio-visual information;  
storing the non-proprietary compressed audio-visual information as a media file on a portable rewritable non-volatile memory;  
retrieving and decompressing the media file, responsive to a command from a user input device, into decompressed audio and video information;  
displaying the decompressed video information on a video display; and  
outputting the decompressed audio information to at least one of a speaker and an audio jack.

17. (Currently Amended) A method for ~~"place-shifting"~~utilizing protected audio-visual information using a portable digital video player, the method comprising:

receiving compressed data in ~~an~~ an encrypted and compressed proprietary format;  
storing the received compressed data as a media file on a rewritable non-volatile memory;  
retrieving, ~~transforming/decrypting~~ and decompressing the media file into a decompressed video stream and a decompressed audio stream responsive to a command from a user input device;  
displaying the decompressed video stream on a video display of the player; and  
outputting the decompressed audio stream to at least one of a speaker and an audio jack of the player.

18. (Currently Amended) A self-contained, portable apparatus for ~~utilizing "place-shifting"~~ audio-visual information recorded in a proprietary compressed format, the system comprising:

means for receiving the proprietary compressed video information; ~~in the proprietary format~~  
means for transforming the proprietary compressed video information into non-proprietary compressed video information;  
means for storing the non-proprietary compressed video information ~~on~~ in a rewritable non-volatile memory;

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

means for retrieving the non-proprietary, compressed video informatoin and for decompressing the non-proprietary, compressed video information into decompressed video and audio streams;

means for displaying the decompressed video stream on a video display; and

means for outputting at least one decompressed audio stream to at least one of a speaker and an audio output port.

19. (Currently Amended) A self-contained, portable apparatus for "place-shifting" selective presentation of audio-visual information recorded in a proprietary compressed format, the system comprising:

means for receiving compressed video information in the proprietary compressed format;

means for storing the compressed video information in the proprietary compressed format ~~on~~ in a rewriteable non-volatile memory;

a user input device;

means for retrieving the stored, compressed video information as retrieved compressed video information, from the rewriteable non-volatile memory, responsive to a command from the user input device;

means for decoding ~~transforming~~ the retrieved compressed video information from the proprietary format into non-proprietary, compressed video information;

means for decompressing the non-proprietary, compressed video information into a decompressed video stream and a decompressed audio streams;

means for displaying a visual video presentation on a video display responsive to the decompressed video stream on a video display; and

means for outputting ~~at least one the~~ decompressed audio stream to at least one of a speaker and an audio output port.

20. (Withdrawn as non-elected with traverse)

21. (Withdrawn as non-elected with traverse)



PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

22. (Withdrawn as non-elected with traverse)
23. (Currently Amended) The system as in Claim 1, wherein the media decoder ~~transforms and decompresses~~ the compressed video information on-the-fly.
24. (Currently Amended) The system as in Claim 1, wherein the compressed video information in the proprietary format is ~~received~~ provided from at least one of a Personal Video Recorder (PVR), a personal computer, over a local-area-network, over a wide-area-network, and a wireless source.
25. (Currently Amended) The system as in Claim 1, wherein the compressed video information in the proprietary format is encrypted utilizing algorithms according to the proprietary format, and  
wherein the media decoder transforms the compressed video information from the proprietary format to the non-proprietary compressed format, utilizes ~~utilizing~~ decoding algorithms matched to the proprietary format.
26. (Currently Amended) The system as in Claim 25, wherein the compressed video information in the proprietary format is received from a Personal Video Recorder (PVR), and  
wherein conversion from the proprietary format to the non-proprietary format is performed responsive to the receiving the compressed video information in the proprietary format from the PVR for storage in to the storage medium ~~subsystem~~.
27. (Currently Amended) The system as in Claim 6, wherein the media decoder decodes the compressed video information from the proprietary format to compressed video information in a non-proprietary format, and transforms and decompresses the compressed video information in the non-proprietary format ~~proprietary compressed video information to provide decompressed~~ audio and video portions.

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

28. (Currently Amended) The system as in Claim 6, wherein the media decoder transforms the compressed video information from the proprietary format into the non-proprietary format and decompresses the compressed video information in the non-proprietary format from the storage medium, on-the-fly.
29. (Currently Amended) The system as in Claim 9, further comprising:  
a cradle providing for coupling to the portable digital video player system, the cradle further comprising:  
a video data input port for coupling of an input of the compressed video information;  
a digital video data output port coupled to the digital video data input port;  
an analog audio-visual input port for receiving an analog audio-visual signal,  
an encoder having an input coupled to the analog audio-visual input port for producing a digital video data signal representative of compressed video information in a proprietary format, responsive to receiving the analog audio-visual signal;  
an output of the encoder coupled to the digital video data output port; and  
an audio-visual output port coupled to the analog audio-visual input port.
30. (Previously Presented) The system as in Claim 29, the cradle further comprising: a storage medium within the cradle for storing compressed video information in the proprietary format, coupled to at least one of the digital video data output port and the digital video data input port.
31. (Previously Presented) The system as in Claim 29, the cradle further comprising: a decoder having an output port coupled to the digital video data input port, wherein the decoder decodes at least one compressed video information signal into an analog audio-visual signal.

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

32. (Previously Presented) The system as in Claim 11, where in the compressed digital audio-visual data files are received from a personal video recorder.
33. (Previously Presented) The system as in Claim 11, wherein the compressed digital audio-visual data files are transferred via wireless means.
34. (Previously Presented) The system as in Claim 11, wherein the read/write non-volatile memory unit is at least one of a hard disk drive, an optical disk drive, semiconductor memory and a magnetic disk drive.
35. (Currently Amended) The system as in Claim 11, wherein the port for receiving is comprised of at least one of a connector, a wireless receiver subsystem, a semi-conductor memory interface, a magnetic storage drive interface, and an optical drive subsystem for receiving an optical storage disk.
36. (Currently Amended) The system as in Claim 12, further comprising:  
a cradle providing for coupling to the portable digital video player system, the cradle further comprising:  
a video data input port for receiving compressed video data for at least a part of the compressed audio-visual data;  
a digital video data output port coupled to the digital video data input port;  
an analog audio-visual input port,  
an encoder having an input coupled to the analog audio-visual input port for producing a digital video data signal responsive to receiving an analog audio-visual signal;  
an output of the encoder coupled to the digital video data output port; and  
an audio-visual output port coupled to the analog audio-visual input port.

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

37. (Currently Amended) The system as in Claim 36, the cradle further comprising: a storage medium within the cradle for storing the compressed video data and coupled to the digital video data output port and the digital video data input port.
38. (Currently Amended) The system as in Claim 36, the cradle further comprising: a decoder having an output port coupled to the digital video data input port, wherein the decoder decodes ~~at least one~~ the compressed video data signal into an analog audio-visual signal.
39. (Currently Amended) The system as in Claim 14, wherein the protected video data ~~stream file~~ is transmitted via wireless means.
40. (Currently Amended) The method as in Claim 15, wherein the decompressing of the non-proprietary compressed audio-visual data file is performed on-the-fly.
41. (Previously Presented) The method as in Claim 16, wherein the compressed audio-visual information is received via wireless means.
42. (Currently Amended) The method as in Claim 16, wherein the receiving the compressed audiovisual information is coupled from a personal video recorder in a proprietary format.
43. (Currently Amended) The method as in Claim 17, wherein the compressed data in the proprietary format is received via wireless means.
44. (Previously Presented) The method as in Claim 17, further comprising: receiving the compressed data in the proprietary format from at least one of a Personal Video Recorder (PVR), broadcast programming and a data connection.
45. (Currently Amended) The system as in Claim 18, wherein the proprietary compressed video information is received via wireless means.

PATENT APPLICATION  
Serial Number: 09/847,633  
Attorney Docket Number: BIL 1864

46. (Currently Amended) The system as in Claim 19, wherein the compressed video information in the proprietary compressed format is received via wireless means.
47. (Currently Amended) The system as in Claim 19, wherein the protected audio-visual information is received from at least one of a Personal Video Recorder (PVR), broadcast programming and a data connection.
48. (New) The method as in claim 15, wherein the selecting only portions is further comprised of decompressing and decoding data from the protected file from the proprietary format to create a proprietary header and associated compressed audio-visual file.

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER: \_\_\_\_\_**

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**